Lottery Revenue Projections: Fiscal Year 2005 (2004-2005) Fiscal Year 2006 (2005-2006)

Presented to the State Funding Board By Robert Currey, Fiscal Analyst Fiscal Review Committee

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 & FY2006
- Basics of Revenue Generation
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- FY2005 Methodology (2004-05)
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Revenue Projections for FY2005 & FY2006

Projections

FY	Estimate Type:	Total Revenue	Net Lottery Proceeds	Sales Per Capita
2005	Estimated Range:	\$684.9m - \$751.7m	\$212.3m - \$233.0m	\$115 - \$126
	Weighted Average Estimate:	\$714.9m	\$221.6m	\$120
2006	Estimated Range:	\$719.5m - \$789.6m	\$223.0m - \$244.8m	\$120 - \$131
	Weighted Average Estimate:	\$750.9m	\$232.8m	\$125

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Basics of Revenue Generation

Revenue

- 1) Instant Games (scratch-off tickets)
 - Approximately 40 different games (began 01/20/04)
- 2) Online Games
 - Cash 3 (began 03/01/04)
 - Powerball (began 04/19/04)
 - Lotto 5 (began 09/01/04)
- 3) Miscellaneous Income
 - Retailer application & service fees
 - Interest income

Expenses

1) Gaming

- Prize payouts
- Retailer commissions
- Vendor fees & advertising

2) Operating

- Personnel
- Equipment
- Supplies
- Travel

Net Lottery Proceeds

- Net Lottery Proceeds are transferred to the "Lottery for Education Account" on a quarterly basis.
- Funds used for Lottery
 Scholarships and Grants.
- Unclaimed prize money is earmarked for 1) After-school and early-learning programs and 2)
 Future lottery prize pool.

In addition...

- Tennessee Education Lottery Corporation (TELC) operates on a July through June Fiscal Year.
- TELC began selling tickets on January 20, 2004.

Past Performance

FY2004

- 6-month period (January June)
- Total Revenue = \$393.2 million
- Total Expenses = \$269.9 million (68.6%)
- Net Lottery Proceeds = \$123.3 million (31.4%)
- Transferred \$123,271,000 to the "Lottery for Education Account".
- Transferred \$2,049,000 to the "After-School Programs Special Account " (generated from unclaimed prize money).

FY2005 Sales (July - October)

Game Type	Revenue Generated	FY05 Wkly Average	FY05 Wkly High	FY05 Wkly Low
Instant Games	\$168,934,938	\$9,653,425	\$9,952,581	\$8,030,368
Cash 3	\$22,310,874	\$1,274,907	\$1,336,572	\$1,216,996
Powerball	\$54,885,261	\$3,136,301	\$6,872,737	\$2,302,901
Lotto 5	\$5,203,633	\$578,181	\$789,234	\$454,374
Miscellaneous	\$1,366,573	\$78,090		
SUB TOTAL	\$252,701,279	\$14,720,904		
Less: Instant Tickets	\$17,245,032	\$985,430		
TOTAL NET REVENUE	\$235,456,247	\$13,735,474		

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FY2005

- 4-month period (July through October)
- Total Revenue = \$235.5 million
- Total Expenses = \$164.2 million
- Net Lottery Proceeds = \$71.3 million
- Transferred \$51,300,000 to the "Lottery for Education Account".

Since Inception

- 10-month period (January thru October)
- Total Revenue = \$628.7 million
- Total Expenses = \$434.1 million (69.0%)
- Net Lottery Proceeds = \$194.6 million (31.0%)
- Transferred \$174,571,000 to the "Lottery for Education Account"

First 12 Month Projections

- Derived an "average monthly revenue" from last 6 months of actual revenue data.
- Applied average to remaining two months of calendar year (November & December).
- Total revenue estimate: \$744.0 million
- Revenue range: \$736.6m \$751.4m
- Total Expenses: \$508.3m \$518.5m
 (69.0%)
- Net Lottery Proceeds: \$228.3m \$232.9m (31.0%)
- Per capita sales: \$125 \$128

Fiscal Note Estimate

	Gross Lottery Revenue	Net Lottery Proceeds	Per Capita Sales
2004 Calendar Year (First 12 months of operation)	\$736.6 million - \$751.4 million	\$228.3 million - \$232.9 million	\$125-\$128
Fiscal Memo SB1 - HB1 (Prepared June 2003)	\$670 - \$730 million	\$195 - \$215 million	\$114 - \$124

Forecasting Limitations

Data & Variables

- Many variables influence lottery revenues
 - Demographic
 - Socio-economic
 - Retailer participation
 - Game dynamics
 - Fluctuating jackpots
- Limited amount of data (10 months)

Other considerations

- Natural life cycles of state lotteries appear to have initial periods of growth followed by stagnant (or even declining) revenues.
- In some cases, sales decline from implementation.
- Revenue growth is highly volatile and inconsistent.

FY2005 Methodology (2004-05)

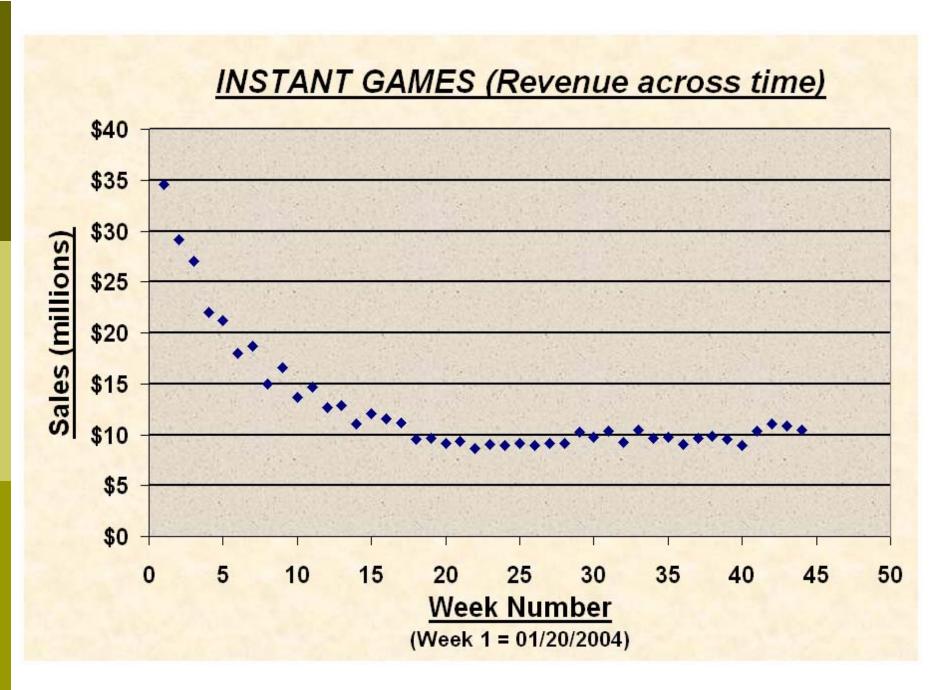
Objectives

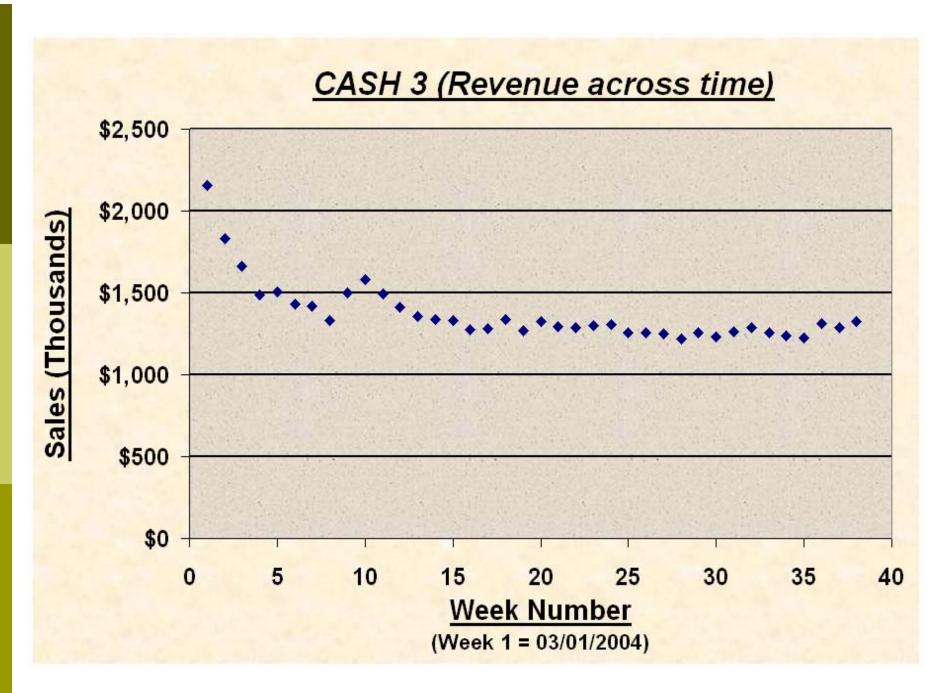
- Analyze revenue streams by game type.
- Develop multiple estimation models for each game type.
- Derive a weighted average estimate and an estimate range that are considered to be "statistically-significant" for each game type.
- Sum estimates across game types to derive total revenue estimate for FY2005.
- Forecast total expenses (as percent of revenue).
- Calculate net lottery proceeds & sales per capita.

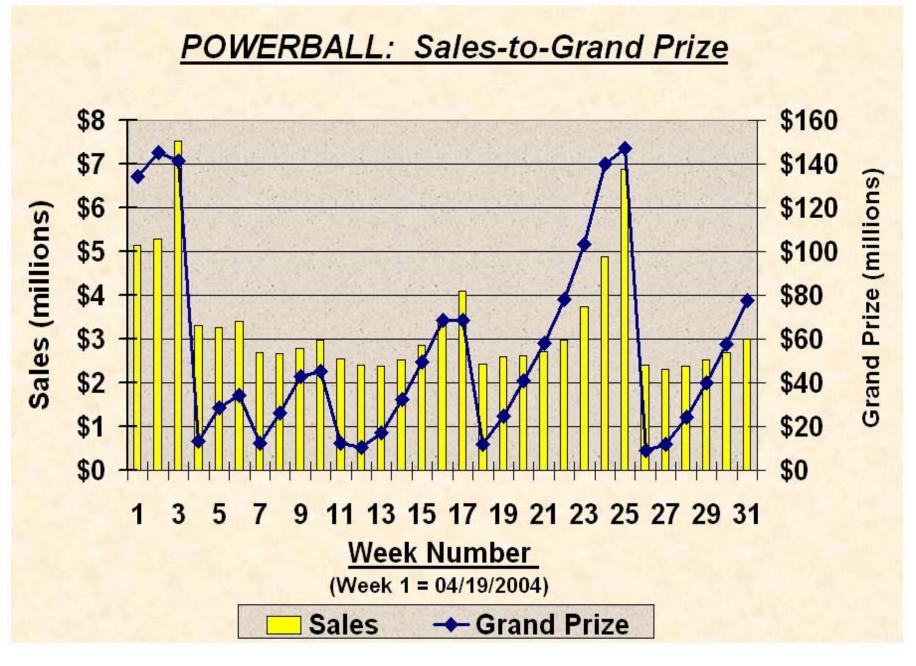
Revenue Estimates by Game Type

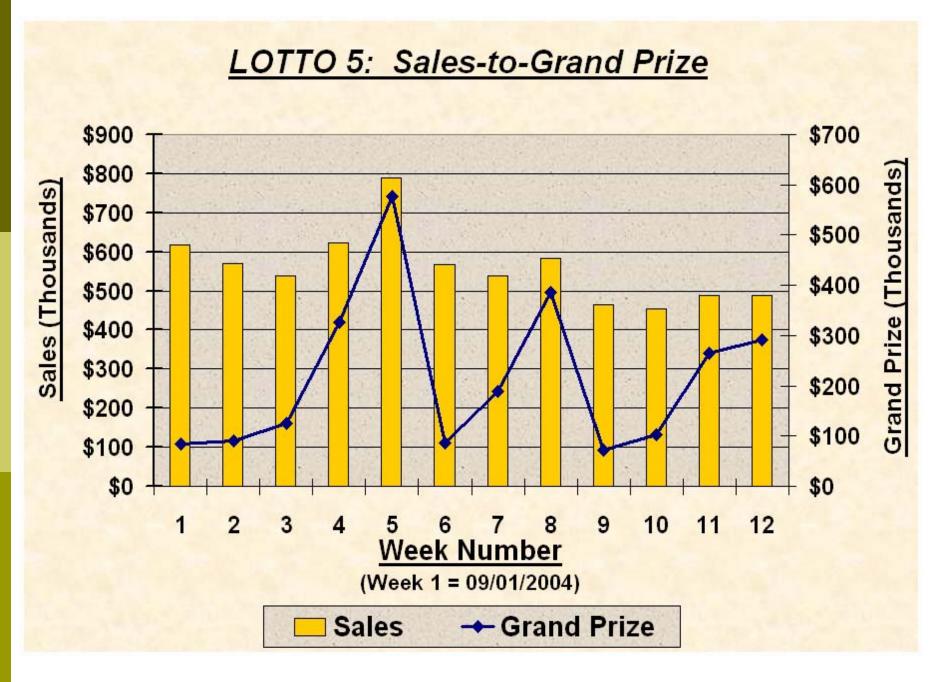
Game Type	Estimate	Estimated Range
1) Instant Games	\$454.8 million	\$444.8m - \$464.2m
2) Cash 3	\$66.8 million	\$66.1m - \$67.4m
3) Powerball	\$164.9 million	\$148.1m - \$189.0m
4) Lotto 5	\$24.4 million	\$21.9m - \$27.1m
Sub-Total:	\$710.9 million	\$680.9m - \$747.7m
Misc. Income	\$4.0 million	\$4.0 million
FY05 Estimates	\$714.9 million	\$684.9m - \$751.7

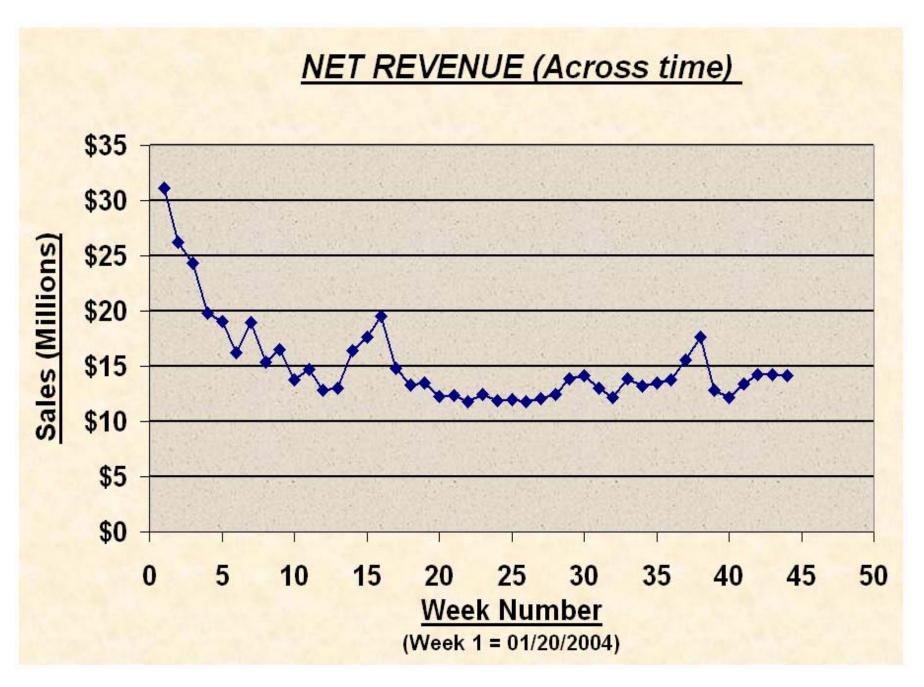
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FY2005 Projections

Estimate:	Net Revenue	Total Expenses (69%)	Net Lottery Proceeds (31%)	Sales Per Capita
Estimated Range:	\$684.9m - \$751.7m	\$472.6m - \$518.7m	\$212.3m - \$233.0m	\$115 - \$126
Weighted Average Estimate:	\$714.9m	\$493.3m	\$221.6m	\$120

FY2006 Methodology (2005-06)

Assumptions

- 1) Use FY2005 Estimates as base year.
- 2) Sales per capita growth rate = 4.0%. (Consistent with lotteries in KY, GA, FL, MO, OH, and VA over last 7 years { 1997 2003}).
- 3) 1-year population growth rate = 1.0%.

(Consistent with growth rates since 2000)

4) Expenses (as a percent of revenue) are unchanged.

FY2006 Projections Recap

Estimate:	Net Revenue	Total Expenses (69%)	Net Lottery Proceeds (31%)	Sales Per Capita
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PROJECTIONS SUMMARY

Summary of Revenue Projections

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QUESTIONS?